MATERIAL SAFETY DATA SHEET

COATINGS AND RESINS GROUP

PPG Industries, Inc.

SECTION 1 - CHEMICAL, PRODUCT, AND COMPANY INFORMATION

PRODUCT CODE/IDENTITY: DT895

PRODUCT TRADE NAME: REDUCER

REVISION DATE: 01/05/99 (000) 0808

CUSTOMER PART #/NAME: Not applicable

CHEMICAL FAMILY: SOLVENT

WHMIS HAZARD CLASS:

Class B, Division 2 Class D, Division 2, Subdivision A Class D, Divisi Subdivision B

EMERGENCY MEDICAL/SPILL INFO: (514) 645-1320 91-800-00-214 (MEXICO)

TECHNICAL INFORMATION: (440) 572-2800

PRODUCT SAFETY/MSDS INFORMATION: 4325 ROSANNA DRIVE, P.O. BOX 9 ALLISO 15101 (412) 492-5555

DATE OF MSDS PREPARATION: 10/23/00

PRIMARY HAZARD WARNING

Flammable. Keep away from heat, sparks, flames, and other sources of i Do not smoke. Extinguish all flames and pilot lights. Turn off stoves, electrical motors, and other sources of ignition during use and until vapors/odors are gone. Harmful if swallowed. May cause moderate skin i Causes severe eye irritation. May be absorbed through the skin. Vapor spray mist may be harmful if inhaled. Vapor irritates eyes, nose, and

THIS MATERIAL SAFETY DATA SHEET HAS BEEN PREPARED IN ACCORDANCE WITH C WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM.

SECTION 2 - HAZARDOUS INGREDIENTS

REF	HAZARDOUS INGREDIENTS	PERCENT	CAS NUMBER	C
01	ETHYL BENZENE	0.1-1.0	100-41-4	
02	TOLUENE	7 - 13	108-88-3	
03	N-BUTYL ACETATE	7 - 13	123-86-4	

04	XYLENES	3 - 7	1330-20-7
05	METHYL ETHYL KETONE	7 - 13	78-93-3
06	V.M. AND P. NAPHTHA	10 - 30	8032-32-4

* Carcinogens: O=OSHA; A=ACGIH; N=NTP; I=IARC

OCCUPATIONAL EXPOSURE LIMITS HAVE BEEN ESTABLISHED FOR THE FOLLOWING M

	ACGIH		ONTARIO	
REF	TLV-TWA	TLV-STEL	PEL-TWA	PEL-STEL
01	100 ppm	125 ppm	100 ppm	125 ppm
02	S- 50 ppm	NOT ESTAB.	100 ppm	150 ppm
03	150 ppm	200 ppm	150 ppm	200 ppm
04	100 ppm	150 ppm	100 ppm	150 ppm
05	200 ppm	300 ppm	200 ppm	300 ppm
05	IPEL-TWA: NOT ESTAB.		IPEL-STEL: 250 PPM	
06	300 ppm	NOT ESTAB.	NOT ESTAB.	NOT ESTAB.

[C- Ceiling Limit; S- Potential Skin Absorption; R- Respirable Dust] [
= NOT ESTABLISHED = NOT APPLICABLE]

Consult local authorities for acceptable provincial values.

SECTION 3 - TOXICOLOGICAL PROPERTIES

REF	LD50 ORAL (rat)	LD50 DERMAL (rabbit)	LC50 INHALATION (rat)
01	3.50 g/kg	17.80 g/kg	Not available
02	5.00 g/kg	12.12 g/kg	Not available
03	14.00 g/kg	Not available	Not available
04	4.30 g/kg	Not available	Not available
05	2.74 g/kg	13.00 g/kg	Not available
06	Not available	Not available	Not available

THE FOLLOWING INFORMATION IS REQUIRED UNDER CANADA'S WORKPLACE HAZARDO
MATERIALS INFORMATION SYSTEM

REF	ACUTE TOXICITY
01	NO SEVERE HAZARDS
02	NO SEVERE HAZARDS
03	EYE IRRITANT
04	NO SEVERE HAZARDS
05	EYE IRRITANT
06	NO SEVERE HAZARDS

REF	CHRONIC TOXICITY
01	CARCINOGEN/KIDNEY/LIVER/LUNG
02	TERATOGEN
03	NO LONG-TERM EFFECTS IDENTIFIED
04	EMBRYOTOXIN
05	EMBRYOTOXIN/TERATOGEN

06 NO LONG-TERM EFFECTS IDENTIFIED

HAZARDS IDENTIFICATION

EFFECTS OF OVEREXPOSURE FROM:

INGESTION: Harmful if swallowed.

EYE CONTACT: Causes severe eye irritation.

SKIN CONTACT: May cause moderate skin irritation. May be absorbed thro skin.

INHALATION: Vapor and/or spray mist may be harmful if inhaled. Vapor i eyes, nose, and throat. Repeated exposure to high vapor concentrations irritation of the respiratory system and permanent brain and nervous s damage.

CHRONIC OVEREXPOSURE: Avoid long-term and repeated contact. This produ contains methyl ethyl ketone (MEK). MEK has been shown to cause minor embryotoxic/fetotoxic effects in laboratory animals exposed for prolon periods at high concentrations via inhalation. The potential for human to high concentrations is expected to be low due to the irritating eff MEK at low concentrations. This product contains toluene. Toluene inha animals (greater than 1500 ppm) and intentional inhalation of toluene-products by humans (e.g. glue) has caused adverse fetal development ef Ethylbenzene has been reported by NTP to cause cancer in laboratory an following a chronic (2 year) inhalation exposure. Carcinogenicity was the kidneys of rats and the lung and liver of mice at the 750 ppm dose The No Observed Effect Level (NOEL) was 75 ppm. The International Agen Research on Cancer (IARC) has evaluated ethylbenzene and classified it possible human carcinogen (Group 2B) based on sufficient evidence for carcinogenicity in experimental animals, but inadequate evidence for c exposed humans. High exposures to xylenes in some animal studies have reported to cause health effects on the developing embryo and fetus. T effects were often at levels toxic to the mother. The significance of findings to humans has not been determined.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: Eye watering, headaches, nausea, d and loss of coordination are indications that solvent levels are too h Intentional misuse by deliberately concentrating and inhaling the cont be harmful or fatal. Redness, itching, burning sensation and visual di may indicate excessive eye contact. Dryness, itching, cracking, burnin redness, and swelling are conditions associated with excessive skin co

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Not applicable.

TOXICOLOGICALLY SYNERGISTIC PRODUCTS: Not available

SECTION 4 - FIRST AID MEASURES

INGESTION: If swallowed, do not induce vomiting. Gently wipe out insid remove any residual material.

EYE CONTACT: In case of eye contact, remove contact lenses and flush e immediately with a gentle stream of luke warm water for at least 15 mi

SKIN CONTACT: In case of skin contact, flush immediately with plenty o for at least 15 minutes followed by washing with soap and water.

INHALATION: If affected by inhalation of vapor or spray mist, remove t air. Apply artificial respiration and other support measures as requir

OTHER: If ingestion, any type of overexposure or symptoms of overexpos during or following the use of this product, contact a poison control emergency room or physician immediately; have Material Safety Data She information available.

SECTION 5 - FIRE OR EXPLOSION DATA

FLASHPOINT: 45 Degrees F (7 Degrees C) (PENSKY-MARTENS CLOSED CUP)

FLAMMABLE LIMITS: Lower explosion limit (LEL): 1.4

Upper explosion limit (UEL): Not available

EXTINGUISHING MEDIA: Use National Fire Protection Association (NFPA) C extinguishers (carbon dioxide, dry chemical, or universal aqueous film foam) designed to extinguish NFPA Class IB flammable liquid fires.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep this product away from heat, flame, and other sources of ignition (i.e., pilot lights, electric mot static electricity). Invisible vapors can travel to a source of igniti flash back. Do not smoke while using this product. Keep containers tig closed when not in use. Closed containers may explode when overheated. apply to hot surfaces. Toxic gases may form when this product comes in with extreme heat.

SPECIAL FIRE FIGHTING PROCEDURES: Water spray may be ineffective. Wate may be used to cool closed containers to prevent pressure build-up and autoignition or explosion when exposed to extreme heat. If water is us nozzles are preferable. Fire-fighters should wear self-contained breat apparatus and full protective clothing.

AUTOIGNITION TEMPERATURE: Not available

SECTION 6 - PREVENTIVE MEASURES

ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Provide max ventilation. Only personnel equipped with proper respiratory, skin, an protection should be permitted in the area. Remove all sources of igni up spilled material with sand, vermiculite, or other noncombustible ab material and place in clean, empty containers for disposal. Only the s material and the absorbant should be placed in this container.

WASTE DISPOSAL METHOD: Waste material must be disposed of in accordanc federal, state, provincial, and local environmental control regulation containers should be recycled or disposed of through an approved waste management facility.

HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS: Do not store above 120 degrees F.(48 C.). Store large quantities in buildings designed and protected for st NFPA Class IB flammable liquids.

OTHER PRECAUTIONS: Vapors may collect in low areas. If this material i a multiple component system, read the Material Safety Data Sheet(s) fo other component or components before blending as the resulting mixture the hazards of all of its parts. Containers should be grounded when po Avoid free fall of liquids in excess of a few inches.

EXPOSURE CONTROLS AND PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT FOR:

EYE PROTECTION: Wear chemical-type splash goggles or full face shield possibility exists for eye contact due to splashing or spraying liquid particles, or vapors.

SKIN PROTECTION: Wear protective clothing to prevent skin contact. Apr gloves should be constructed of: neoprene rubber or nitrile rubber. No permeation/degradation testing have been done on protective clothing f product. Recommendations for skin protection are based on infrequent c with this product. For frequent contact or total immersion, contact a manufacturer of protective clothing for appropriate chemical imperviou equipment.

RESPIRATORY PROTECTION: Overexposure to vapors may be prevented by ens proper ventilation controls, vapor exhaust or fresh air entry. A NIOSH air purifying respirator with the appropriate chemical cartridges or a positive-pressure, air-supplied respirator may also reduce exposure. R respirator manufacturer's instructions and literature carefully to det type of airborne contaminants against which the respirator is effectiv limitations, and how it is to be properly fitted and used.

OTHER EQUIPMENT: Clean contaminated clothing and shoes.

VENTILATION REQUIREMENTS: Provide general dilution or local exhaust ve in volume and pattern to keep the concentration of ingredients listed 2 below the lowest suggested exposure limits, the LEL below the stated and to remove decomposition products during welding or flame cutting.

SECTION 7 - PHYSICAL AND CHEMICAL PROPERTIES

[FORMULA VALUES, NOT SALES SPECIFICATIONS]

BOILING RANGE: 172- 338Degrees F

SOLUBILITY IN WATER: 4.1 %

VAPOR PRESSURE: 20.6 mmHg

WEIGHT/GALLON (LBS): 8.5 (IMPERIAL)

VAPOR DENSITY: Heavier than air

pH: Not determined

% VOLATILE/VOLUME: 100.000

% SOLIDS BY WEIGHT: .00

SPECIFIC GRAVITY: .854

EVAPORATION RATE(BuOAc=100): 166

PHYSICAL STATE: LIQUID

FREEZING POINT: Not available

ODOR THRESHHOLD: Not available

COEFFICIENT OF OIL/WATER DISTRIBUTION: Not available

ODOR/APPEARANCE: Non-viscous liquid with an odor characteristic of the ingredients listed in Section 2.

SECTION 8 - STABILITY AND REACTIVITY DATA

This product is normally stable and will not undergo hazardous reactio

INCOMPATIBILITY (MATERIALS AND CONDITIONS TO AVOID): Avoid contact wit alkalies, strong mineral acids, or strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: May produce the following hazardous decomposition products when exposed to extreme heat: carbon monoxide ; dioxide ; Extreme heat includes, but is not limited to, flame cutting,

and welding.

SECTION 9 - PREPARATION INFORMATION PREPARED BY: Product Safety Depart
NUMBER: (412)492-5555 DATE OF MSDS PREPARATION: 10/23/00

Hazardous Materials Identification System (HMIS) and National Fire Pro
Association (NFPA) Ratings:

HMIS Rating		NFPA Rating	
HEALTH	2*	HEALTH	2
FLAMMABILITY	3	FLAMMABILITY	3
REACTIVITY	0	INSTABILITY	0

Rating System:0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Severe, *=
Effects.

Safe handling of this product requires that all of the information on
be evaluated for specific work environments and conditions of use.

THIS IS THE END OF THE MSDS FOR: DT895 (00169513.001DT895

Manufactured and Supplied by:

REFINISH PRODUCTS

19699 PROGRESS DRIVE

STRONGSVILLE, OH 44136

>Y